

Title (en)

Solid imaging method using compositions containing core-shell polymers.

Title (de)

Festbildherstellungsverfahren unter Verwendung von Zusammensetzungen, die Kern-Schalenpolymer enthalten.

Title (fr)

Procédé de formation d'images solides utilisant des compositions contenant des polymères à structure noyau-enveloppe.

Publication

EP 0403758 B1 19950705 (EN)

Application

EP 90107448 A 19900419

Priority

US 34134789 A 19890421

Abstract (en)

[origin: EP0403758A2] A three-dimensional object formed from a photohardenable composition containing deflecting matter of core-shell polymers. A preferred material for the polymeric core is crosslinked to an extent to be nonswellable and insoluble in solvent for noncrosslinked polymer material while the shell polymer has no pendant acid groups.

IPC 1-7

G03C 9/08; **B29C 39/42**

IPC 8 full level

G03F 7/033 (2006.01); **B29C 35/08** (2006.01); **B29C 67/00** (2006.01); **C08F 2/46** (2006.01); **C08F 2/48** (2006.01); **G03F 7/00** (2006.01); **G03F 7/20** (2006.01); **B29K 105/24** (2006.01)

CPC (source: EP KR US)

B29C 64/135 (2017.07 - EP US); **G03C 9/08** (2021.08 - KR); **G03F 7/0037** (2013.01 - EP US); **Y10S 430/148** (2013.01 - EP US); **Y10S 430/15** (2013.01 - EP US)

Cited by

EP1475221A3; US7674423B2; WO03089991A3; US8182882B2

Designated contracting state (EPC)

CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0403758 A2 19901227; **EP 0403758 A3 19920603**; **EP 0403758 B1 19950705**; AU 5376090 A 19901025; AU 633557 B2 19930204; CA 2014809 A1 19901021; CN 1048935 A 19910130; DE 69020649 D1 19950810; DE 69020649 T2 19960111; JP H03114733 A 19910515; JP H0661850 B2 19940817; KR 900016804 A 19901114; US 5002854 A 19910326

DOCDB simple family (application)

EP 90107448 A 19900419; AU 5376090 A 19900420; CA 2014809 A 19900418; CN 90102259 A 19900421; DE 69020649 T 19900419; JP 10320690 A 19900420; KR 900005571 A 19900420; US 34134789 A 19890421